

ABSTRACT OF THE DISCLOSURE

Even when a communication failure happens to occur, the interrupted communication can be quickly recovered by a router apparatus. The router apparatus is comprised of: a plurality of routing tables into which new route information is stored every time route information is changed; a rewriting time saving unit for saving rewriting time information of the plurality of routing tables; a table switching unit for switching the plurality of routing tables; and a route processor unit for managing, for example, setting/rewriting/deleting the routing table based upon route information supplied by a network operator, or route information obtained by routing protocol. In this router apparatus, when a communication failure caused by the routing table occurs, the failed routing table is switched to another routing table into which old route information has been stored so as to continue the communication, and also, a communication trouble reason is investigated by comparing the route information before/after the failed routing table is switched.